

**Improved Grain drill With Accurate  
Metering of the Rate of Planting of Seed**

**Abstract**

The present invention is an improved grain drill  
5 and a method retrofitting a previously manufactured  
grain drill to provide accurate weight determination of  
seed in a seed hopper of the grain drill. A grain  
drill in accordance with the invention includes a frame  
having a plurality of wheels for supporting the grain  
10 drill during rolling over a surface of ground to be  
planted with seed grain; a hopper for containing the  
seed grain to be planted in the ground; a support which  
is joined to opposed sides of the frame and to spaced  
apart locations of the hopper to transfer weight of the  
15 hopper to the frame, the support including at least one  
weight sensing device which senses a weight of seed  
grain in the hopper transferred through the support to  
the frame and provides an output of the sensed weight  
of the seed grain in the hopper; and a display, coupled  
20 to the output, for displaying the weight of the seed  
grain contained in the hopper.